Amendments to Claims

Please amend the claims as detailed below. This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously cancelled)

2. (Currently amended) The standardized peripheral apparatus of claim 34, wherein the vent is an outlet vent disposed on a first portion of a ~~first~~ surface of the case.

3. (Currently amended) The standardized peripheral apparatus of claim 2, further comprising:

an inlet vent disposed on a second portion of ~~a~~ the ~~second~~ surface of the case, to facilitate an intake of air from the ambient.

4. (Cancelled)

5. (Previously cancelled)

6. (Currently amended) The standardized peripheral apparatus of claim 3, wherein the ~~flow generating device~~jet actuator is positioned substantially near the inlet vent.

7. (Cancelled)

8. (Currently amended) The standardized peripheral apparatus of claim ~~7~~34, wherein the jet actuator comprises a selected one of a piezoelectric synthetic jet actuator or an electromagnetic synthetic jet actuator.

9. (Currently amended) The standardized peripheral apparatus of claim ~~7~~34, wherein the jet actuator is approximately between 2-3 mm high.

10. (Currently amended) The standardized peripheral apparatus of claim ~~7~~34, wherein the jet actuator operates on input powers approximately between 10 and 50 milliwatts.

11. (Previously amended) The standardized peripheral apparatus of claim 3, further comprising:

at least one partition disposed inside the case using available space to provide a plurality of air flow chambers.

12. (Currently amended) The standardized peripheral apparatus of claim 11, wherein the ~~flow generating device~~ jet actuator and at least a portion of the integrated circuit are located substantially in a first air flow chamber.

13. (Currently amended) The standardized peripheral apparatus of claim 12, wherein

the first air flow chamber is defined in part by the second portion of the ~~second~~ surface on which the inlet vent is disposed; and

the first portion of the ~~first~~ surface on which the outlet vent is disposed defines a second air chamber.

14. (Original) The standardized peripheral apparatus of claim 13, wherein the first air flow chamber is flow-coupled to the second air flow chamber.

15. (Cancelled)

16. (Currently amended) The standardized peripheral apparatus of claim 15, wherein the ~~PC Card~~ apparatus is a selected one of a data storage device or a communication interface adapter.

17. (Previously cancelled)

18. (Cancelled)

19. (Currently amended) The standardized peripheral apparatus of claim ~~18~~36, wherein the ~~flow generating device~~ jet actuator is positioned substantially near the inlet vent.

20. (Currently amended) The standardized peripheral apparatus of claim 19, wherein the ~~flow generating device~~jet actuator includes a synthetic jet actuator.

21. (Previously amended) The standardized peripheral apparatus of claim 20, wherein the synthetic jet actuator is a selected one of a piezoelectric type or an electromagnetic type.

22. (Original) The standardized peripheral apparatus of claim 21, wherein the synthetic jet actuator operates on input powers substantially between 10 and 50 milliwatts.

23. (Previously amended) The standardized peripheral apparatus of claim 36, wherein the connector comprises a selected one of a 32-bit Cardbus connector or a universal serial bus connector.

24. (Previously cancelled)

25. (Previously amended) The method of claim 37, wherein the vent is an outlet vent and the method further comprising:

providing an inlet vent to introduce air from an ambient into an interior of the case.

26. (Previously cancelled)

27. (Currently amended) The method of claim 37, wherein the ~~flow-generating device~~ jet actuator comprises a synthetic jet actuator.

28.-29. (Previously cancelled)

30. – 33. (Cancelled)

34. (Currently amended) A standardized peripheral apparatus comprising

a board;

an integrated circuit coupled to the board;

a case, encasing the integrated circuit and the board, having a form factor including a plurality of external dimensions compatible with a~~n industry~~ Personal Computer Memory Card International Association (PCMCIA) standard having a plurality of specifications governing the form factor and the external dimensions; and

a thermal management arrangement including

a vent on the case to at least facilitate an exhaust of heat convectively emitted from the integrated circuit into an ambient, and

a ~~flow-generating device~~jet actuator coupled to the board to provide an air current to at least facilitate the exhaust of the convectively emitted heat through the vent.

35. (Currently amended) The standardized peripheral apparatus of claim 11, wherein a partition of the at least one partition is connected orthogonally to the board.

36. (Currently amended) A standardized peripheral apparatus comprising:

a board;

an integrated circuit coupled to the board;

a case compatible with a Personal Computer Memory Card International Association (PCMCIA) standard, encasing the integrated circuit and the board, having

an outlet vent disposed on a first portion of a ~~first~~ surface of the case to facilitate exhaust of heat convectively emitted from the integrated circuit, into an ambient; and

an inlet vent disposed on a second portion of ~~a second~~the surface of the case, to facilitate an intake of air from the ambient;

a ~~flow-generating device~~jet actuator disposed inside the case, to at least facilitate an air flow over the integrated circuit in a general direction from the inlet vent to the outlet vent; and

a connector, to directly couple the standardized peripheral apparatus to a host device in a substantially rigid relationship.

37. (Currently amended) A method comprising:

operating an integrated circuit, housed inside of a case having a form factor including a plurality of external dimensions complying with a~~n~~ Personal Computer

Memory Card International Association (PCMCIA) ~~industry~~ standard having a plurality of specifications governing the form factor and the external dimensions, leading to heat being convectively emitted from the integrated circuit; and

providing an airflow with a ~~flow generating device~~ jet actuator to exhaust the convectively emitted heat through a vent in the case.

38. (Cancelled)

39. (New) The standardized peripheral apparatus of claim 34, wherein the apparatus is a Type I, a Type II, or a Type III PC Card.

40. (New) The standardized peripheral apparatus of claim 36, wherein the apparatus is a Type I, a Type II, or a Type III PC Card.